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Patent

Attorney Docket No. 27823-20001.20

**REAGENTLESS, REUSABLE BIOELECTRONIC DETECTORS AND THEIR  
USE AS AUTHENTICATION DEVICES**

**Reference to Related Application:**

[0001] This application is related to and claims the benefit of United States Provisional Application Serial No. 60/457,762 filed on March 25, 2003 and United States Application Serial No. 10/678,760 filed on October 3, 2003.

**Reference to Government Support:**

[0002] This invention was made in part with government support under grants from the National Science Foundation (Grant No. NSF-DMR-0099843), the Office of Naval Research (Grant No. ONR N0014-1-1-0239) and the National Institute of Health (Grant No. GM 62958-01).

**BACKGROUND OF THE INVENTION**

**Field of the Invention**

[0003] This invention relates to bioelectronic sensors and their use to detect hybridization events occurring in DNA, RNA, acids, PNA and other oligonucleotide systems. In a preferred embodiment the detection of such hybridization events is used to detect and verify an oligonucleotide authentication tag.

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